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Notice of Allowability 10/619,453 Examiner Julio C. Gonzalez The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included	
Notice of Allowability Examiner Julio C. Gonzalez 2834 The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included	
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herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. The NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initio of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.	
1. This communication is responsive to <u>06/27/06</u> .	
2. The allowed claim(s) is/are 2,9,10,12,15,16 and 19-26.	
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 	
2. Certified copies of the priority documents have been received in Application No	
3. Copies of the certified copies of the priority documents have been received in this national stage application from the	ne
International Bureau (PCT Rule 17.2(a)).	
* Certified copies not received:	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.	· - -
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.	
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	,
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date	
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.	
Attachment(s)	
1. ☐ Notice of References Cited (PTO-892) 5. ☐ Notice of Informal Patent Application (PTO-152)	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 6. ☐ Interview Summary (PTO-413),	
Paper No./Mail Date Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date Examiner's Amendment/Comment	
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 8. ☑ Examiner's Statement of Reasons for Allowance	
9. Other	
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Application/Control Number: 10/619,453

Art Unit: 2834

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: the prior art fails to disclose, in combination with all the limitations:

With respect to claims 19, 23, a regeneration circuit providing, through the output terminal, the storage means with current flowing through the field winding depending on magnetic energy preserved in the field winding, when the switching element is turned off and the regeneration circuit including a first diode placed to connect one terminal of the field winding and the negative pole terminal of the storage means and a second diode placed, through the output terminal, to connect the other terminal of the field winding and the positive pole terminal of the storage means.

With respect to claims 20, 24, a regeneration circuit providing, through the output terminal, the storage means with current flowing through the field winding depending on magnetic energy preserved in the field winding when the switching element is turned off, wherein the regeneration circuit includes a third switch placed to connect the one terminal of the field winding and the negative pole terminal of the storage means and a fourth switch placed, through the output terminal, to connect to the other terminal of the field winding and the positive pole terminal of the storage means an on/off control unit bringing each of the third and

Application/Control Number: 10/619,453

Art Unit: 2834

fourth switches into an off-state when each of the first and second switches are in an on-sate and bringing each of the thirds and fourth switches into an on-sate when each of the first and second switches are in an off-state.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio C. Gonzalez whose telephone number is 571-272-2024. The examiner can normally be reached on M-F (8AM-5PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Julio C. Gonzalez Primary Examiner Art Unit 2834

Jcg

July 12, 2006